Special Reader iPN6

User Manual

iPN6

S P E C I A L R E A D E R

Introduction

The proximity reader iPN6 has special interface, it is intended to be applied in different access control systems, using DLK642, DLK642Lite and DLK641Plus access control panels.

Types of cards

Integrated Technical Vision Ltd manufactures iPN readers operating with amplitude modulation ASK proximity cards.

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Benefits

Case	
Material	ABS plastic
Dimensions	95 x 50x 16 mm
Weight	50 g
Ambient Conditions	
Oper. temp.	-35 ^{0}C ... +55 ^{0}C;
Humidity	95% rel. at +25 ^{0}C
Electrycal	
Voltage	+8. . . +18 VDC
Current	up to 20 mA
Max current	up to 30 mA
Voltage ripple	up to 500 mV_{p-p}.

Distance of reading

Typical reading distance is 105-200 mm. This parameter is valid for power supply voltage range from +13.5 VDC and ripple up to 50 mV.

Wiring

Reader has 7 wire coloured cable for connecting to access control panel. Table. The wires assignment.

Colour	Function	Description
Black	GND	GND
Red	+ER	+12B
Blue	BZ	Buzzer
White	D1	Data 1
Yellow	D0	Data 0
Green	GN	green LED
Orange	RD	red LED

AWG22 multiwire signal cable is recommended. Using this cable the maximum length of 150 meters can be obtained.

Mounting

It is recommended to mount the reader on a wall closely to a door at appropriate height.

- Do not place the reader on metal surface, since it causes decreasing of reading distance.
- If more than one reader is used in the system, place them at 50 cm distance one from another, otherwise a reading distance will be decreased.

- Remove front cover from the reader.
- Prepare all wires for connection and connect them to the reader in accordance with Table 1 and User Manual of the access control panel to be utilized.
- Mount the reader on the wall using the fixturing provided.
- Ensure that all locking tabs are securely engaged.

Reader Operation

RFID Card Code Reading

The card code reading is indicated by built-in buzzer sound signals and bi-colour LED blinking.

Repeated reading will be available after 0.75 sec if the previous card is brought out of reader operation area.

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